Applicant : Rajesh Kumar et al.   Attorney's Docket No.: 08688-056001 / UML 02-16, 18
Serial No. : 10/688,582
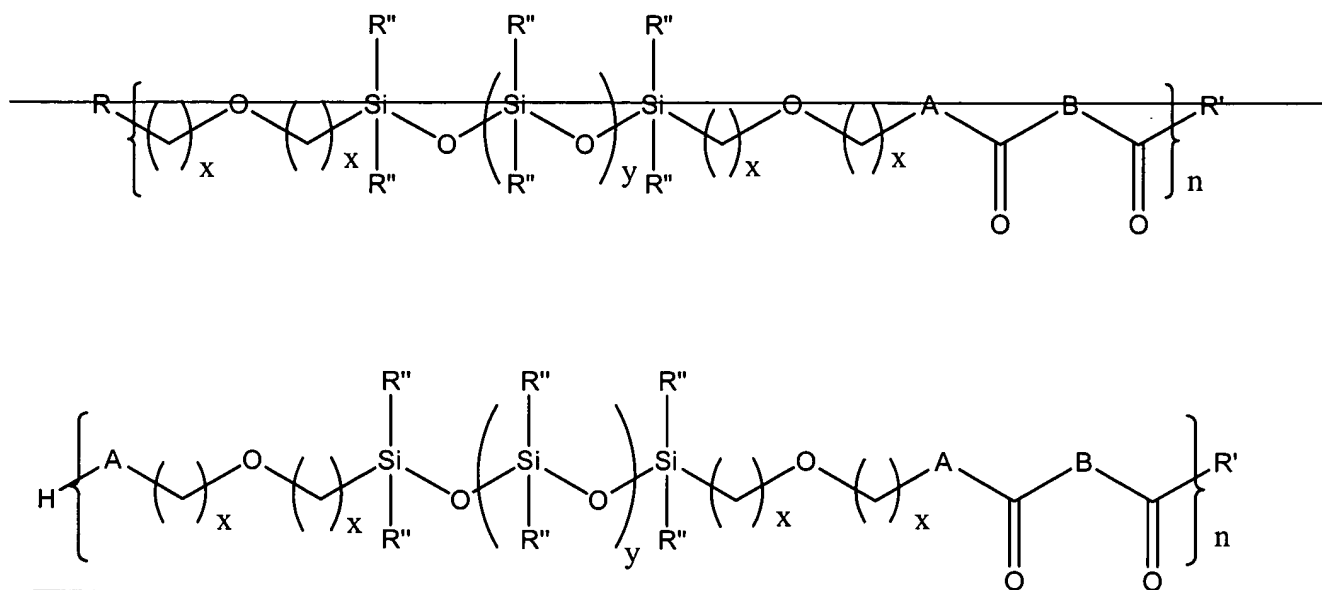Filed : October 17, 2003
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Amendments to the Specification:

Please replace the paragraph beginning at page 2, line 22, with the following amended paragraph:

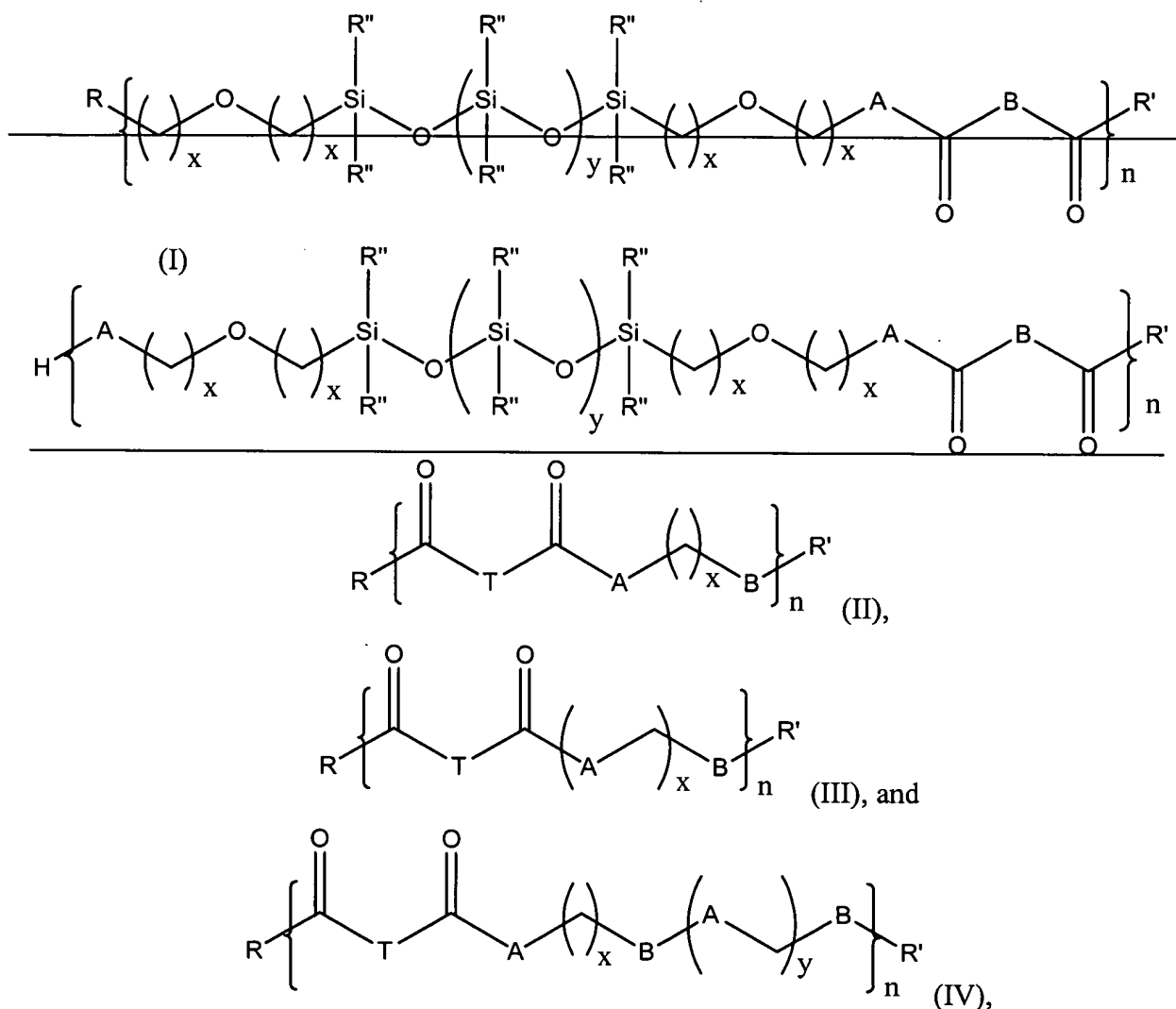Examples of polyorganosilicones that can be made by the new methods include those of formula (I):

(I).

In this formula, each of R, ~~R', and R''~~, independently, is a ~~hydrogen,~~ hydroxy, <u>or</u> amino[[,]]<u>; each R', independently is a hydroxy or alkoxy; each R'', independently is a hydrogen,</u> alkyl, alkoxy, aryl, or aryloxy; each x, independently, is an integral of 1 to 10; y is an integral of 1 to 1,000; n is an integral of 1 to 10,000; and each of A<u>, independently, is O or NH;</u> and B, independently, is a linear or cyclic ~~alkyl, aryl,~~ alkylene, arylene, or ~~alkoxy~~ <u>oxaalkylene</u>.

Please replace the paragraph beginning at page 5, line 23, with the following amended paragraph:
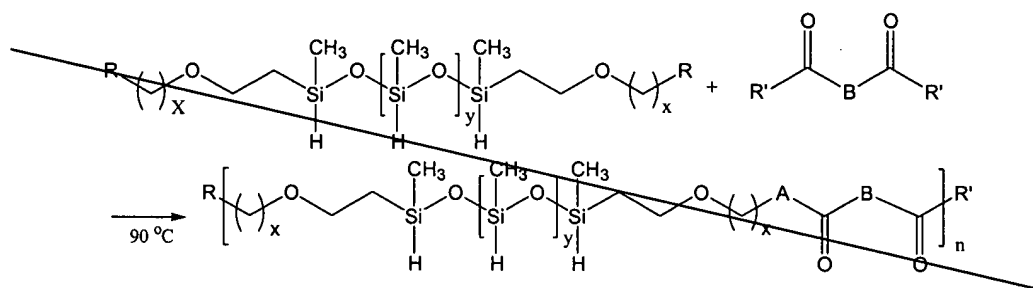
The present invention provides new polyorganosilicones and enzymatic methods of synthesizing polymers such as polyorganosilicones and polyesters. The new polyorganosilicones, and the polyorganosilicones and polyesters that can be prepared by the new methods described herein, include those of formulae (I) to (IV) below:
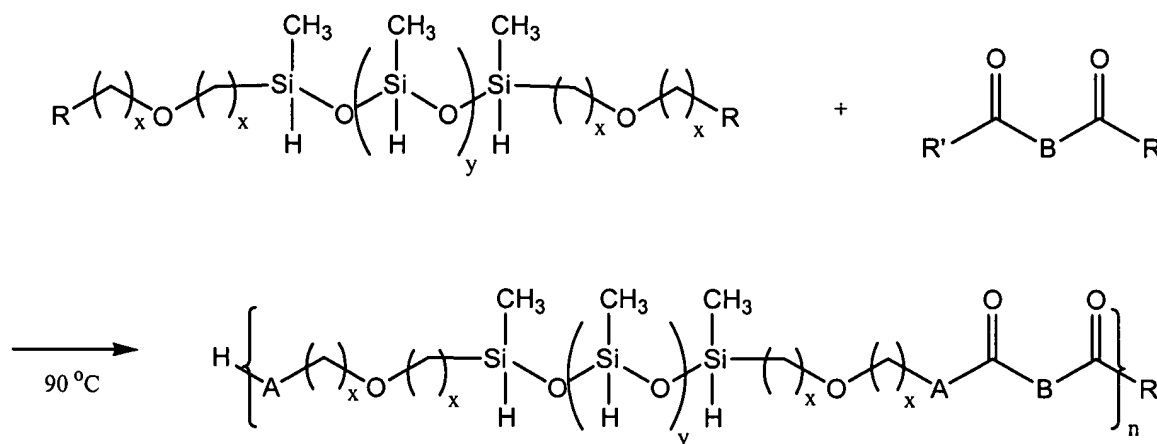
(I)

(II),

(III), and

(IV),

in which each of R, R', R", x, y, n, T, A, and B are defined above in the Summary.

Please replace the paragraph beginning at page 7, line 18, with the following amended paragraph:
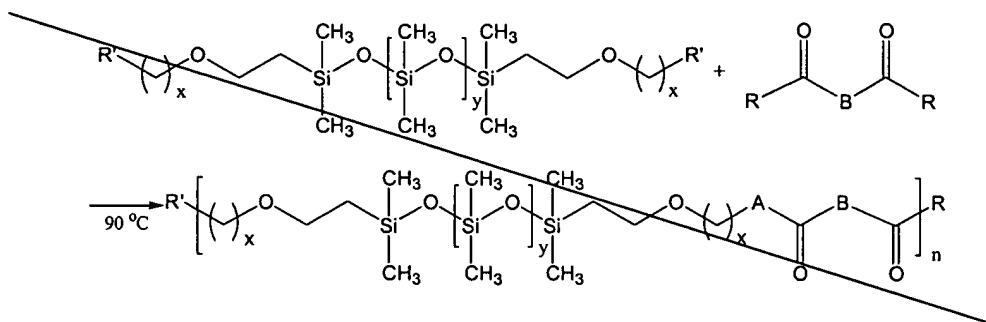
Schemes 1, 2, and 3 are self-explanatory examples of enzymatic polymerization reactions that can be used to prepare the new polyorganosilicones. The definition of each of the variables (i.e., A, B, x, y, R', R, and n) is the same as that in Formula (I). For instance, R can be, e.g., OH or NH$_2$; R' can be, e.g., [[COOH]] hydroxy or COO-alkyl alkoxy; R''' can be, e.g., hydrogen, hydroxy, alkyl, or alkoxy; A can be, e.g., O or NH; B can be, e.g., alkylene; and n can be, e.g., 30-120.
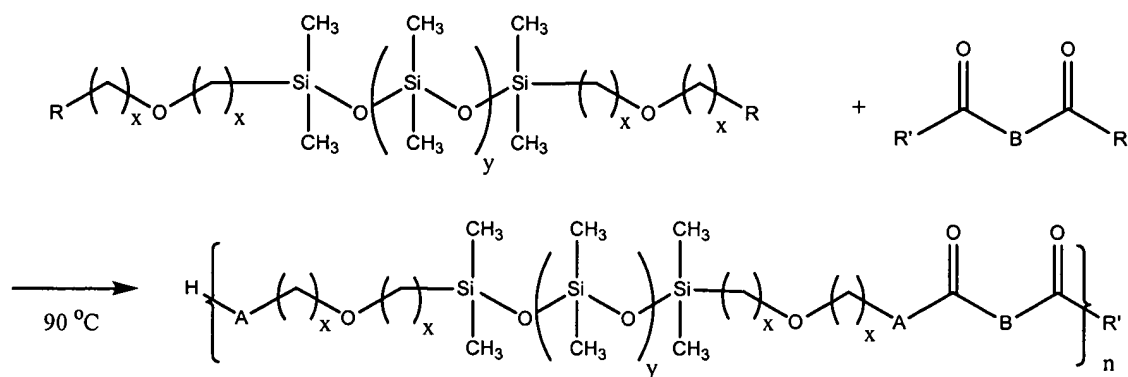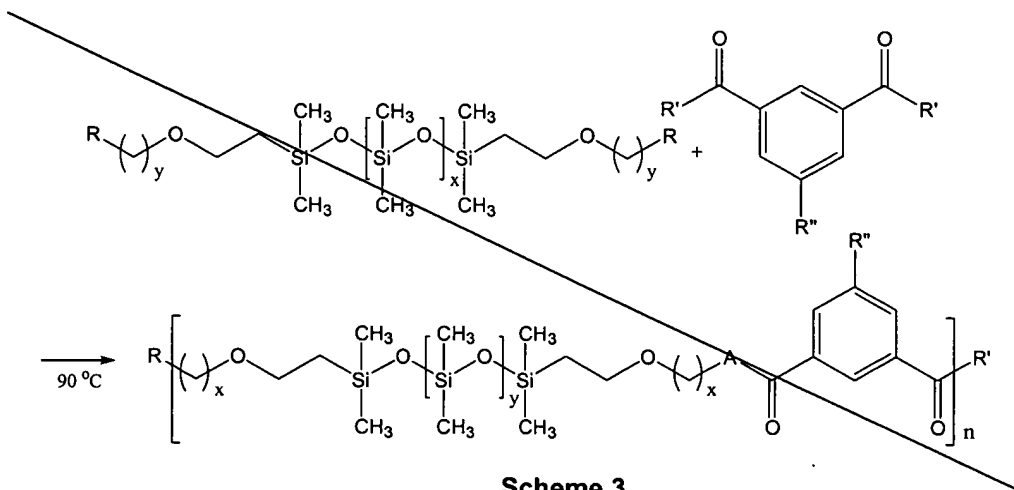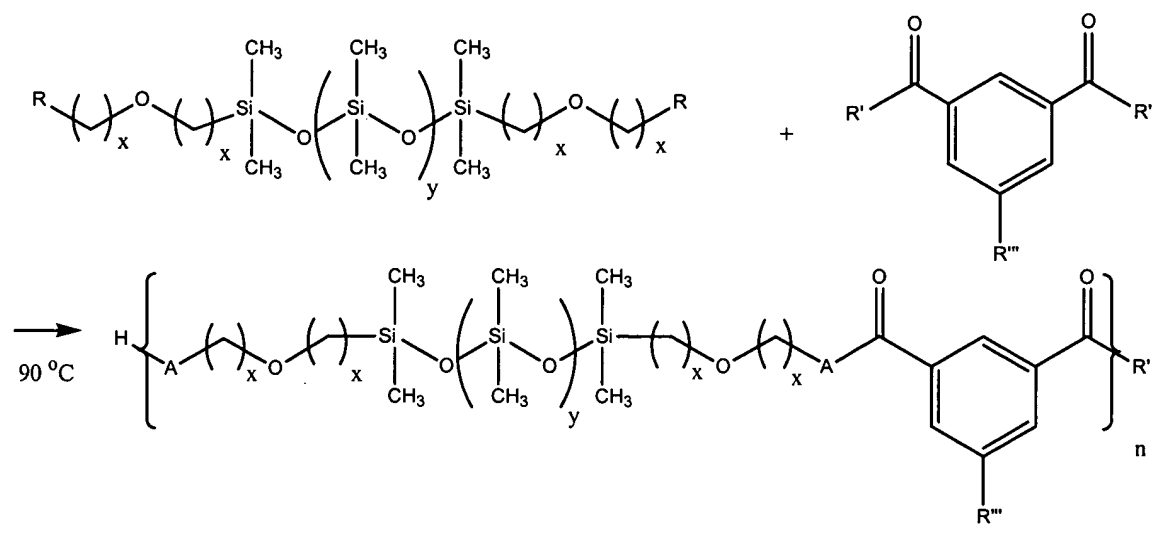

Scheme 1

<u>Scheme 1</u>

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Scheme 2

<u>Scheme 2</u>

Scheme 3

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Scheme 3